

Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 14845 Port WEST 259 LEPPOOL)

Order 16235.

No. 18951

ENGINE FORGINGS OR CASTINGS.

s/s Magdala

The words FORGINGS or CASTINGS, IRON or STEEL, should be struck out as may be required.

I have to report that the ~~Iron or Steel~~ Steel Forgings or Castings, as herein described, manufactured by Messrs. Gutehoffnungshütte, A.-V. of Oberhausen for the Engines No. 2307 being constructed by Messrs. Richardsons Westgarth & Co. of Hartlepool for the Ship No. _____, being built by _____ of _____

have been inspected by me as set forth below, and found to be, so far as can be seen, sound and free from defects.

3 intermediate shafts, 1 propeller shaft.

Mark on Forgings or Castings.

Lloyd's

No. 9215, 9216, 9217, 9218.

K.H. 12. 13.

Düsseldorf, 3rd January 1914.

	CRANK SHAFT.	STRAIGHT SHAFTING.		
		THRUST SHAFT.	INTERMEDIATE SHAFTS.	PROPELLER SHAFT.
Material*			annealed Siemens - Martin Ingotsteel	
How made			forged	forged
Dimensions			12 5/8" diam.	14 3/8" diam.
Progress on Inspection			rough turned	rough turned
Tests on Standard Test Pieces.			diameter .798" No. 9215-9216.	diameter .798" No. 9218.
Tensile Test—			30.6	29.5
Tons per square inch			27.6	31.5
Extension per cent			180 degr. good.	180 degr. good.
Cold Bending Test—				
Angle before fracture				
Dates when Inspected			23, 30/12. 1913. 2/1. 1914.	23, 30/12. 1913. 2/1. 1914.

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—

No. 9217. 1 intermediate shaft 30.2 tons per square inch 28.9% Elongation in 3"

Fee (if any chargeable) £
To be paid at Düsseldorf.

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* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.